Namespaces Exercises

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Namespace

- Briefly explain what is meant by the term "namespace" in C++
- Give an example of a namespace

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Namespace example

- Write down code to
  - Define a namespace
  - Declare a class inside this namespace
  - Create an object of this class, outside the namespace

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Global namespace

- What is meant by the term "global namespace"?
- How do we declare a symbol in the global namespace?
- Give an example of how to unambiguously refer to a symbol from the global namespace

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Name Hiding

- What is meant by "name hiding"?
- Write a program which demonstrates name hiding
- Add code to your program which makes the outside name accessible within the namespace

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Using Declarations

- In the following code, which version of Test is used to create the object?

```
class Test;
namespace abc {
    class Test { ... };
}
namespace xyz {
    class Test { ... };
}

using xyz::Test;
Test testObject;
```

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